URBAN TRANSPORT AND THE POOR: SOME NOTES

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Items

- 1. Fragmentation: a long future period of coexistence between auto users and non-users
- 2. Transit coverage of low income communities
- 3. Finance of transit equipment
- 4. Transit system integration
- 5 The two wheeler problem
- 6. Infrastructure corridors for future development?

Coverage: Reaching Communities

- Reaching sprawling new development
- Shuttles to intercity routes
- The uphill problem and teleferic dream (La Paz and Medellín)
- Isolation (Durán to Guayaquil)

Equipment Finance

- Public institutions for equipment finance
- Value of medallions
- Problem of collateral
- Import duty problems--vehicles, parts

System Integration

 Long term ambition at last making headway (Bogotá, Guayaquil, etc.)

• Explanations and plans? Impelled by BRT?

 Problems with the concessionary system and turbulence of the sector

Area 1: Transit Administration and Regulation

A contrasting experience with bus regulation:

	México	Santiago	São Paulo	Bogotá
70s and before	Private Operators, some regulation	Public operation, some regulated private operators	CMTC, Municipal Bus Company operated main lines, and subcontract other	Private Operators subject to control from the Ministry of Transportation
80s	Government takes over all routes, Ruta- 100 is created	Total privatization and liberalization	Increase in the proportion of lines operated by CMTC. Initial BRT corridors and trolleybuses were	In 1987, regulation of urban buses is transferred to municipalities
90s	Ruta-100 goes bankrupt, explosive growth of informal transit	Strong move towards government's regulation of private operators, route bidding process	Privatization of Municipal Public Bus Company. SPTRans, an agency in charge of transit planning and management, is created	Municipality allowed three fare levels according to level of service to encourage fleet renewal. Restrictions to the import of new buses were lifted.
2000s	Government trying to control informal transit	Route associations becoming formal firms, international operators moving in, integration with subway	Working toward fare integration. New BRT lines being built.	<i>Transmilenio</i> is launched. Fare integration with other private operators.

The Two-Wheeler Problem

Massive mobility at high environmental cost--Chennai more motorized than Mexico City!!

Table A.1 Overview of main traits of developing country city cases									
City	Belo Horizonte	Chennai	Dakar	Kuala Lumpur	Mexico City	Mumbai	Shanghai	Wuhan	
Region	Latin America	South Asia	Africa	South East Asia	Latin America	South Asia	Asia	Asia	
GDP per Capita (US\$)	\$6,000	\$800	\$1,500	\$8,000	\$7,500	\$1,200	\$4,200 (2000)	\$2,000	
Population Millions	4.2	7	2.5	4	18-23	18	13-17	4-8.5	
Average Annual Growth Rate	1.5%	2.4%	3.2%	2%	2%	3%	0.42%	1%	
Density (Population/Hectare)	4-63	59-288	35	10-58	50-120	120-460	14-460	10-160	
Age Distribution	26%<15 4%>65	26%<15 8%>60	43%<15 5%>55	27%<15 4%>65	30%<15 5%>65	26%<15 6%>60	12%<15 12%>65	16%<15 12%>65	
Trip Rate (Trips/Day)	1.43 (1995)	1.24 (1993)	2.3 (1998)	2.4 (1997)	1.2-1.4 (1994)	1.26	1.95 (1996)	2.25 (1998)	
Personal Vehicles/1,000 Pop.	225 4-Wheelers 22 2-Wheelers	40 4-Wheelers 171 2-Wheelers	42	300 4-Wheelers 170 2-Wheelers	110 8 2-Wheelers	27 4-Wheelers 25 2-Wheelers	4-20 4-Wheelers 35 2-Wheelers	14 4-Wheelers 31 2-Wheelers	
Rail Transit	1 line metro	1 line metro 3 suburban rail	1 suburban rail	3 lines LRT 2 suburban rail	11 line metro	2 suburban rail services 3 lines	3 metro lines	none	
Fare (US\$)	\$0.30	\$0.10		\$0.20-0.60	\$0.20		\$0.12-0.50		
Non-Motorized Transport	5-7% (1995)	44%	44%	NA	NA (possibly 15%)	NA (26% in 1981)	72% (1995)	61%	
Public Transport	69% (1995)	47%	45%	20% (of motorized)	70% (of motorized)	88% (of motorized)	17% (1995)	22%	



Public Transportation 10~20% and declining

Bicycle Traffic 50~60%

Car Traffic 15~20% and rising

Others 10~15%

Credit: Prof. Zhong-Ren Peng, Univ. of Wisconsin-Milwaukee

"Infrastructure Corridors?"

 Corridors at urban fringe to provide informal settlement with r/w for roads and other infrastructure. Provides r/w, creates a settlement geometry without complex planning decisions. Promotes planning by revealing expected urban extension.

Milagro

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PLAN O DE EQUIPAMIENTO-MILAGRO

Quito 19/12/06





Rumiñahui



JONA DE RIESGO POR ERUPCION VOLCANICA